


Specification



Gentamycin sulfate *BioChemica*

A1492

Synonym	Gentamicin sulfate
Formula	$C_{19-21}H_{39-43}N_5O_7 \cdot 2.5H_2SO_4$
M	694.75 - 723.75 g/mol
CAS-No.:	1405-41-0
HS-No.:	29419000
EC-No.:	215-778-9
Storage:	RT
LGK:	10 - 13
R:	42/43
S:	22-36/37-45
	sensitizing
WGK:	1
Specification	
Activity (anhydrous subst.)	approx. 600 I.U./mg
α20°C/D; 10 %, H₂O	+107° - +121°
pH (4 %; H₂O)	3.5 - 5.5
Water (K.F.)	max. 15 %
Sulfate	32 - 35 %
Comment	<p>Gentamycin is an aminoglycoside antibiotic and was isolated from <i>Micromonospora</i> species (actinomycetales). The sulfate salt is soluble in water, formamide, ethylene glycol, 0.1 N NaOH or 0.1 N HCl at a concentration of > 20 mg/ml. It is insoluble in methanol, ethanol, acetone, benzene or chloroform. In solutions Gentamycin is very stable at -20°C to 37°C. Short autoclaving is possible. It may be employed in the pH range from 2.2 and 10 without loss of activity.</p>